

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
to respond to a collection of information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	2
-------	---	----	---

Complete if Known

Application Number	09/970,846
Filing Date	October 5, 2001
First Named Inventor	Sugar, et al.
Group Art Unit	2681 2664
Examiner Name	Unknown R. Jain
Attorney Docket Number	30014380.0004

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

R. L. L. L.

Date Considered

5-16-05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	09/970,846
Filing Date	October 5, 2001
First Named Inventor	Sugar, et al.
Group Art Unit	2681 2664
Examiner Name	Unknown R. Jain
Attorney Docket Number	30014380.0004

RECEIVED

APR 02 2002

Technology Center 2600

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
RJ		JIM ZYREN, Extension of Bluetooth and 802.11 Direct Sequence Interference Model, IEEE 802.11-98/378, Harris Semiconductor, November 1998,	
		CARLOS RIOS, A Proposal for 802.11b and Bluetooth Coexistence in Enterprise Environments, IEEE 802.15-091r0, September 1999	
		TODOR COOKLEV, Towards Coexistence Among Wireless Devices, IEEE P802.15 Wireless Personal Area Networks, Aware, January 2000	
		TOD SIZER, Bluetooth SIG Coexistence Working Group, IEEE 802.15, Lucent Technologies, Bell Laboratories, November 2000	

Examiner
Signature

R. Jain

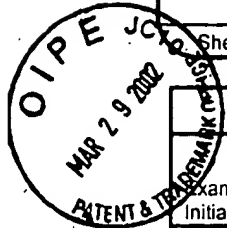
Date
Considered

5-16-05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Substitute for form 1449A/P TO

(use as many sheets as necessary)

Complete if Known

Application Number	09/970,846
Filing Date	October 5, 2001
First Named Inventor	Sugar, et al.
Group Art Unit	2881 2664
Examiner Name	Unknown R. Jain
Attorney Docket Number	30014380.0004

Sheet	1	of	1
-------	---	----	---

[illegible][illegible]

Examiner
Signature

R. Lewis

Date Considered

5-16-05

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

COGNIO, INC.
101 ORCHARD RIDGE DRIVE, SUITE 350
GAITHERSBURG, MARYLAND 20878

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.: 300143800004
SERIAL NO.: 09/970,846
APPLICANT(S): Sugar et al.

GROUP ART UNIT: 2681-2684
FILING DATE: October 5, 2001
TODAY'S DATE: October 2, 2003

U.S. PATENT DOCUMENTS

<u>*Examiner Initial</u>	<u>Document Number</u>	<u>Publication or Issue Date</u>	<u>Filing Date (if relevant)</u>	<u>Name</u>	<u>Class/Subclass</u>
<i>RJ</i> AA	5,828,660	10/27/1998	04/26/1996	Baum et al.	370/330
AB					
AC					

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<u>*Examiner Initial</u>	<u>Author, Title, Date, Pertinent Pages, Etc</u>
<i>RJ</i> BA BB	International Preliminary Examination Report in counterpart International Application No. PCT/US01/31147, dated September 22, 2003.

EXAMINER

DATE CONSIDERED

5-16-05

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s)



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	Systems and Methods for Interference Mitigation Among Multiple WLAN Protocols																																												
<p>Application Number: 09/970846 Confirmation Number: 1598 First Named Applicant: Gary Sugar Attorney Docket Number: 30014380.0004 Art Unit: 2681 <i>2684</i> Search string: (5231634 or 5844900 or 6278697 or 6173189).pn.</p> <p style="text-align: right;">RECEIVED JUN 20 2003 Technology Center 2600</p> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td><i>1</i></td><td>1</td><td>5231634</td><td>1993-07-27</td><td>Giles et al.</td><td></td><td>370</td><td>348</td></tr><tr><td></td><td>2</td><td>5844900</td><td>1998-12-01</td><td>Hong et al.</td><td></td><td>370</td><td>342</td></tr><tr><td></td><td>3</td><td>6278697</td><td>2001-08-21</td><td>Brody et al.</td><td></td><td>370</td><td>310</td></tr><tr><td><i>4</i></td><td>4</td><td>6173189</td><td>2001-01-09</td><td>Lockhart</td><td></td><td>455</td><td>561</td></tr></tbody></table> <p>Signature</p> <table border="1"><tr><td>Examiner Name</td><td>Date</td></tr><tr><td><i>R. Jani</i></td><td><i>5-16-05</i></td></tr></table>		init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	<i>1</i>	1	5231634	1993-07-27	Giles et al.		370	348		2	5844900	1998-12-01	Hong et al.		370	342		3	6278697	2001-08-21	Brody et al.		370	310	<i>4</i>	4	6173189	2001-01-09	Lockhart		455	561	Examiner Name	Date	<i>R. Jani</i>	<i>5-16-05</i>
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass																																						
<i>1</i>	1	5231634	1993-07-27	Giles et al.		370	348																																						
	2	5844900	1998-12-01	Hong et al.		370	342																																						
	3	6278697	2001-08-21	Brody et al.		370	310																																						
<i>4</i>	4	6173189	2001-01-09	Lockhart		455	561																																						
Examiner Name	Date																																												
<i>R. Jani</i>	<i>5-16-05</i>																																												



Electronic Information Disclosure Statement

Systems and Methods for Interference Mitigation Among Multiple WLAN Protocols

Application:



09/970846

Confirmation:

1598

Applicant(s):

Gary Sugar

Docket Number:

300143800004

Group Art Unit:

2681-2664

Examiner:

Chin, Wellington R. Jain

search string:

(6295461).pn.

RECEIVED
FEB 25 2003
Technology Center 2600

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
P1	P01	6295461	2001-09-25		Palmer et al.		

Signature

Examiner Name	Date
R. Jain	5-16-05

Electronic Information Disclosure Statement



//

SYSTEMS AND METHODS FOR INTERFERENCE MITIGATION AMONG MULTIPLE WLAN PROTOCOLS

Application: 09/970846
Confirmation: 1598
Applicant(s): Gary Sugar
Docket Number: 300143800004
Group Art Unit: 2681 2664
Examiner: R. Jain
search string: (6374082 or 6256478 or 6349198).pn.

RECEIVED
FEB 10 2003
Technology Center 2600

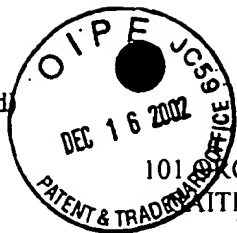
US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
P1	P01	6374082	2002-04-16		Grant B. Carlson		
P2	P02	6256478	2001-07-03		Allen et al.		
P3	P03	6349198	2002-02-19		Carlson et al.		

Signature

5-16-05



COGNIO, INC.

101 RICHARD RIDGE DRIVE, SUITE 350
FITCHERSBURG, MARYLAND 20878

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.: 30014380.0004
 SERIAL NO.: 09/970,486
 APPLICANT(S): Sugar et al.

GROUP ART UNIT: 2681 2664
 FILING DATE: October 5, 2001
 TODAY'S DATE: December 9, 2002

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE If Appropriate)
<u>PS</u>	AA	<u>5828660</u>	<u>10/27/1998</u>	<u>Baum et al.</u>	<u>370</u>	<u>330</u>
—	AB	—	—	—	—	—
—	AC	—	—	—	—	—
—	AD	—	—	—	—	—
—	AE	—	—	—	—	—

Technology Center 2600

FOREIGN PATENT DOCUMENTS

DOCUMENT	NUMBER	DATE	COUNTRY	SUB- CLASS	TRANSLATION CLASS YES) (NO)
—	AL	—	—	—	—
—	AM	—	—	—	—
—	AN	—	—	—	—
—	AO	—	—	—	—

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

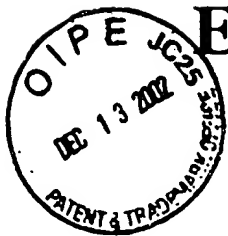
PS AR Written Opinion dated November 27, 2002 in counterpart PCT Application, PCT/US01/31147
 AS
 AT

EXAMINER

DATE CONSIDERED

R. J. Smith5-16-05

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s)



Electronic Information Disclosure Statement

Systems and Methods for Interference Mitigation Among Multiple WLAN Protocols

Application:



09/970846

Confirmation:

1598

Applicant(s):

Gary Sugar

Docket Number:

300143800006

Group Art Unit:

2681 2664

Examiner:

R. Jain

search string:

(6240083 or 6292508 or 5844905).pn.

RECEIVED

DEC 16 2002

Technology Center 2600

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
✓	P01	6240083	2001-05-29		Wright et al.		
	P02	6292508	2001-09-18		Hong et al.		
✓	P03	5844905	1998-12-01		McKay et al.		

Signature 5-16-05



--	--



Electronic Information Disclosure Statement

Systems and Methods for Interference Mitigation Among Multiple WLAN Protocols

Application: 09/970846
Confirmation: 1598
Applicant(s): Gary Sugar
Docket Number: 300143800006
Group Art Unit: 2681 2664
Examiner: R. Jain
search string: (5574979).pn.

RECEIVED
DEC 16 2002
Technology Center 2600

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
2681	P01	5574979	1996-11-12		West		

Signature

Examiner Name	Date
R. Jain	5-16-05

--	--

C/M#

Client Ref.

30014380-0004

Applicant: Sugar, et al.

Appln. No.:

Filing Date:

Examiner: Unknown R. Jain Group Art Unit: Unknown

3096 U.S. PTO
09/970846
10/05/01

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

Date: October 4, 2001

Page

1

of

1

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
RF	AR 5,889,772	03/1999	Fischer, et al.			
RF	BR 2001/0010689A1	08/2001	Awater et al.			
	CR					
	DR					
	ER					
	FR					
	GR					
	HR					
	IR					
	JR					
	KR					
	LR					
	MR					
	NR					

FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name	Class	SubClass	English Abstract		Translation Readily Available	
								Enclosed	No	Enclose	No
RF	OR	WO0135540A2	05/2001	WIPO	NEVO			X			
	PR	WO0124454A1	05/2001	WIPO	ZEHAVI			X			
	QR	WO0135578A1	05/2001	WIPO	ZEHAVI			X			
	RR	WO0124458A1	04/2001	WIPO	NEVO			X			
	SR	WO0124456A1	04/2001	WIPO	NEVO			X			
	TR	WO0124457A1	04/2001	WIPO	NEVO			X			
Y	UR	WO0124455A1	04/2001	WIPO	NEVO			X			
	VR										
	WR										
	XR										

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

RF	YR	TrueRadio, Enabling Wi-Fi and Bluetooth Coexistence without Comprise, Mobilian True Connectivity									
	ZR										
	AAR										
	BBR										
	CCR										
	DDR										

Examiner

R. Jain

Date Considered:

5-16-05

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.